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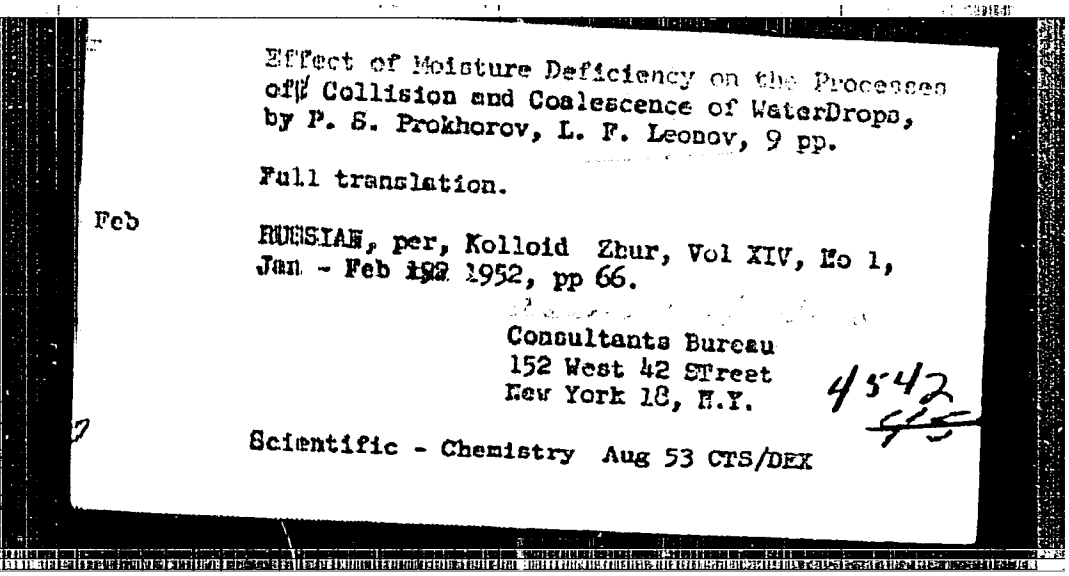

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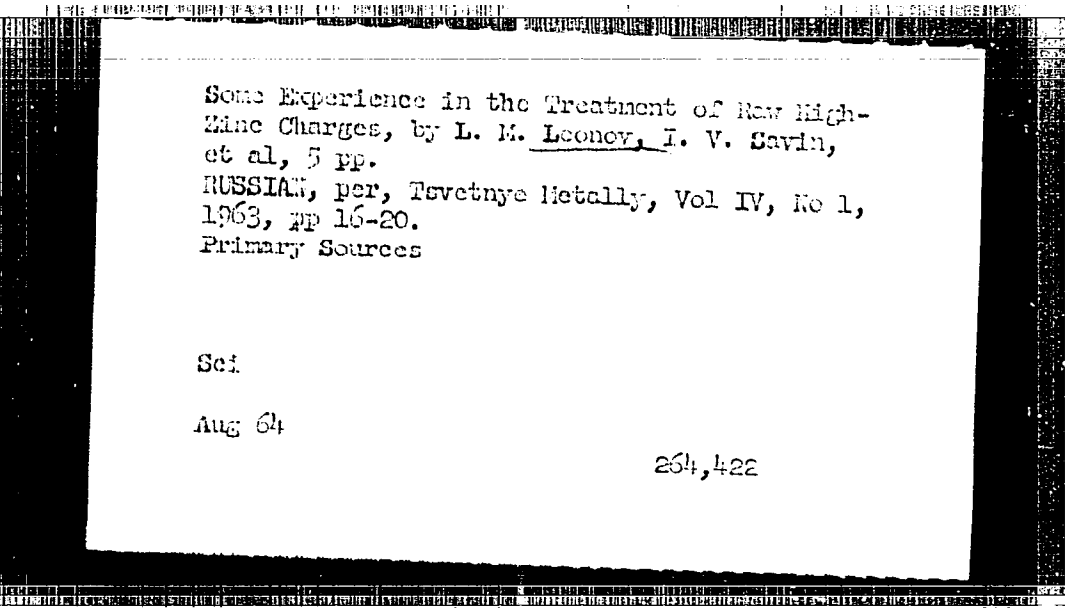

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DESCRIPTORS: Brittleness, *Fracture (Mechanics), Solids, Models (Simulations), Propagation, Mathematical analysis,

The effect of a linear dislocation on the resistance to fracture is investigated for a simplified model of a brittle body. The result is compared with deductions from work with a different model of a brittle body. The solution of Griffith's problem is checked. (Author)

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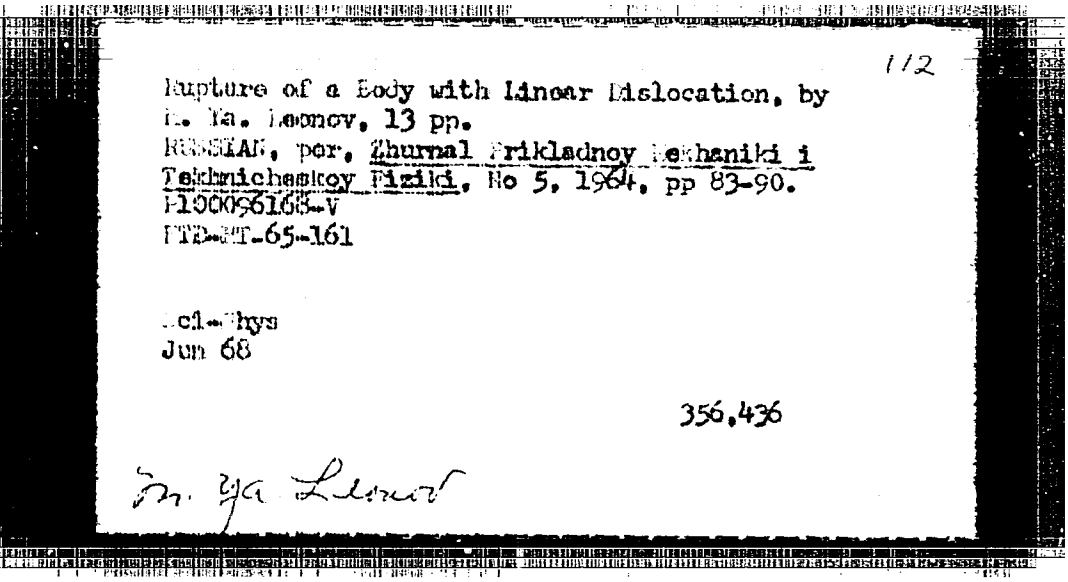

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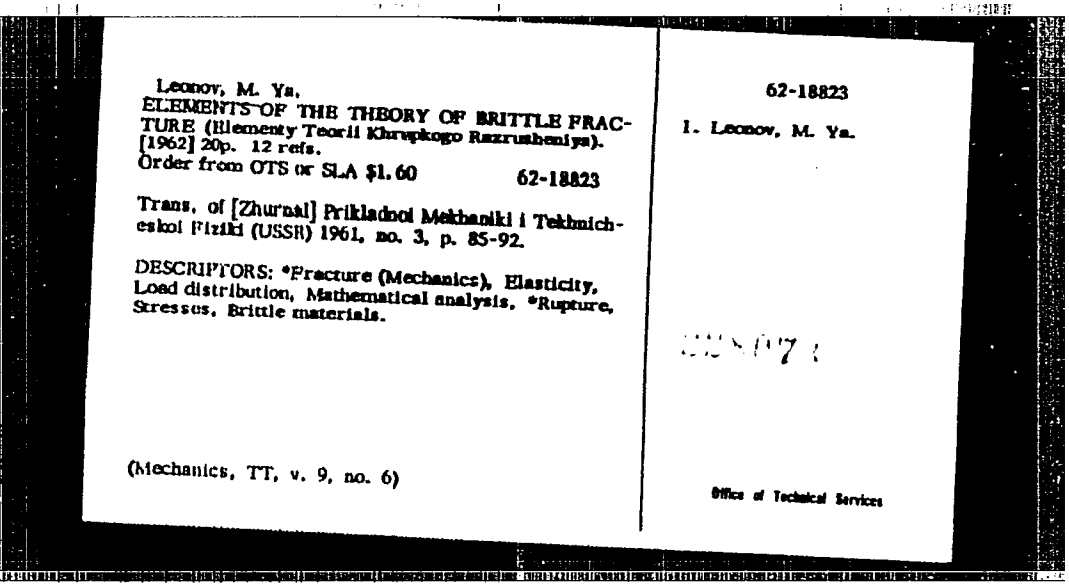

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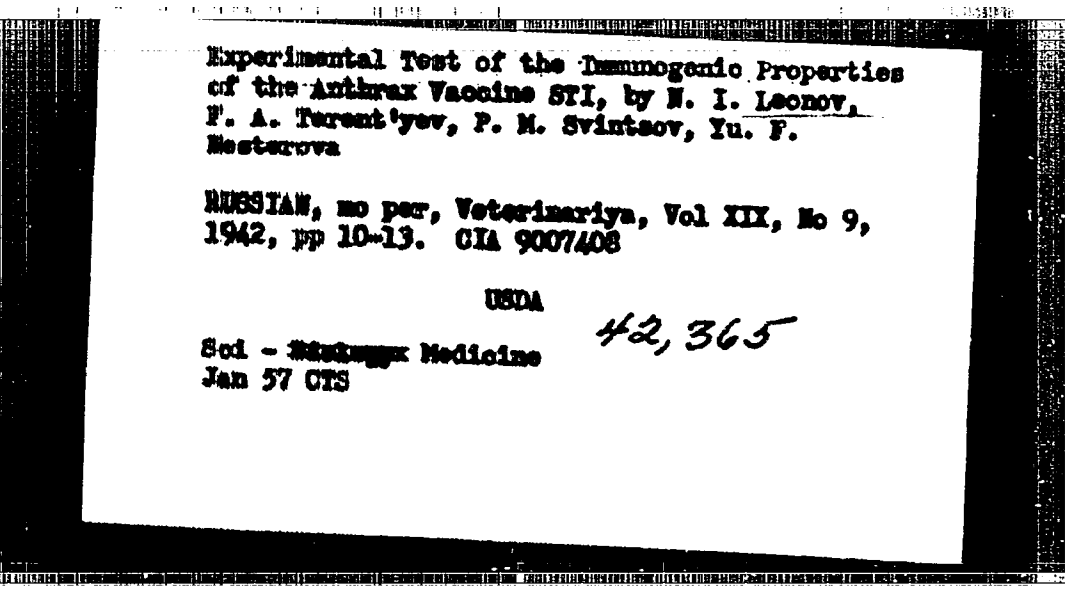

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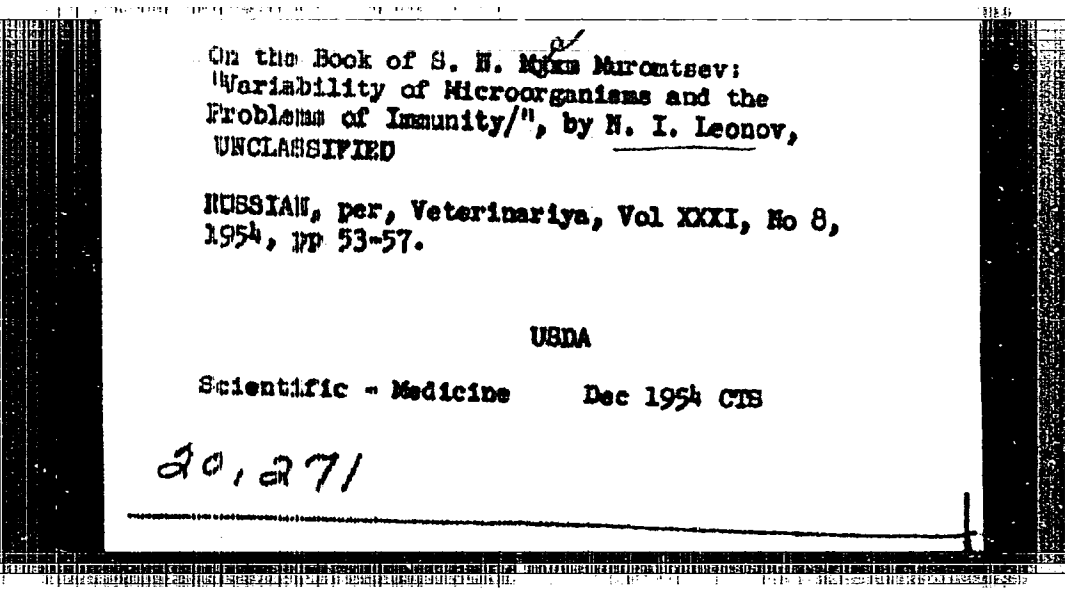

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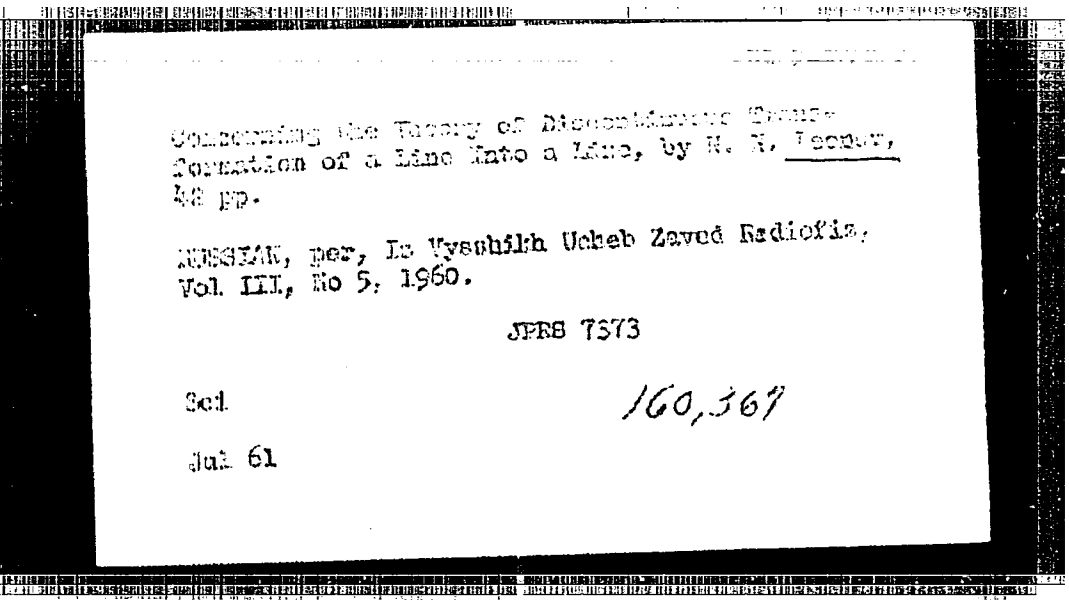

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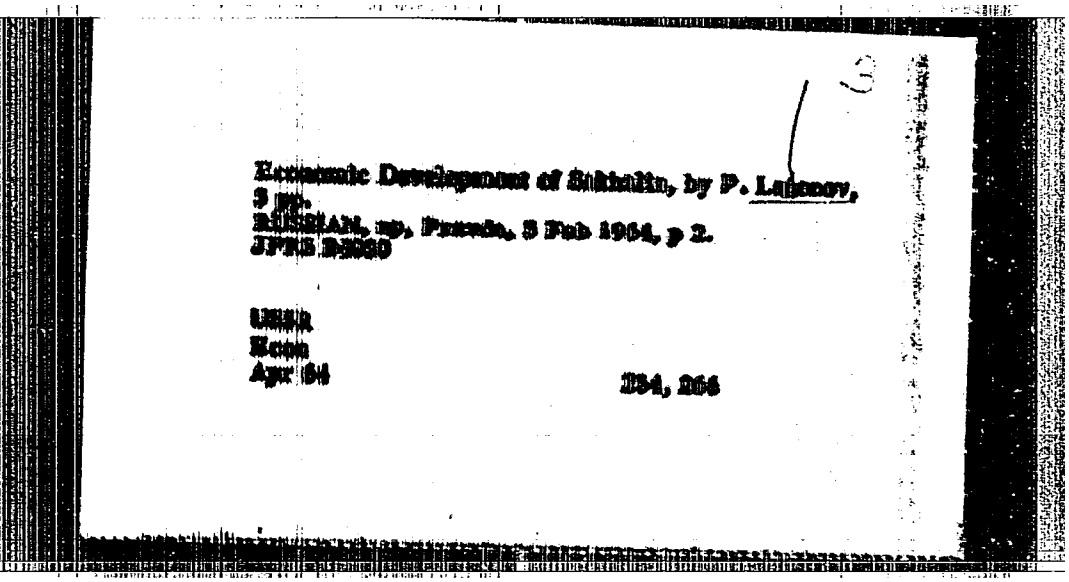

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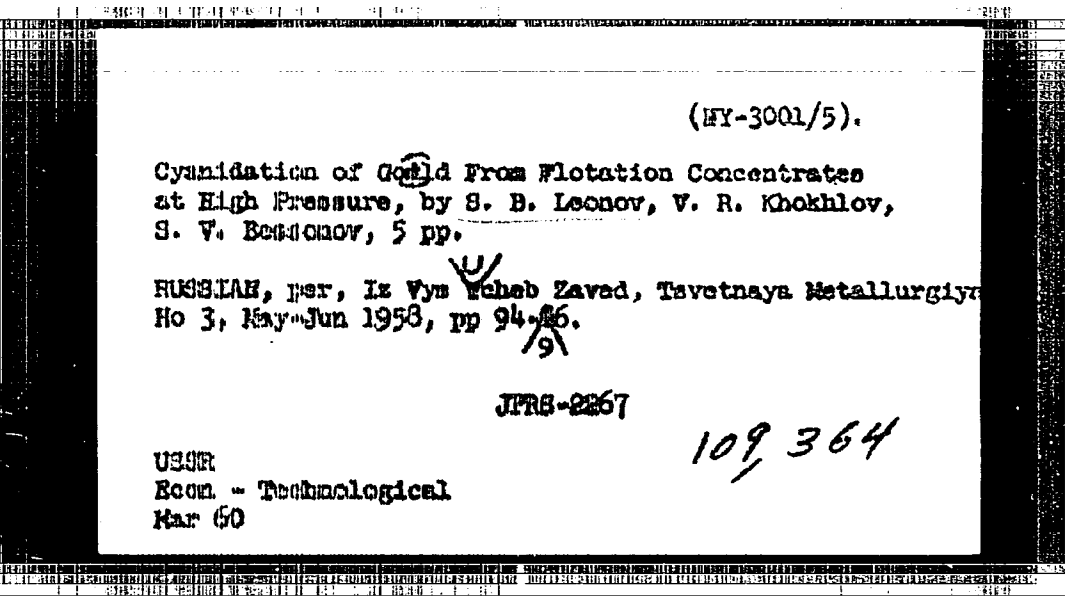

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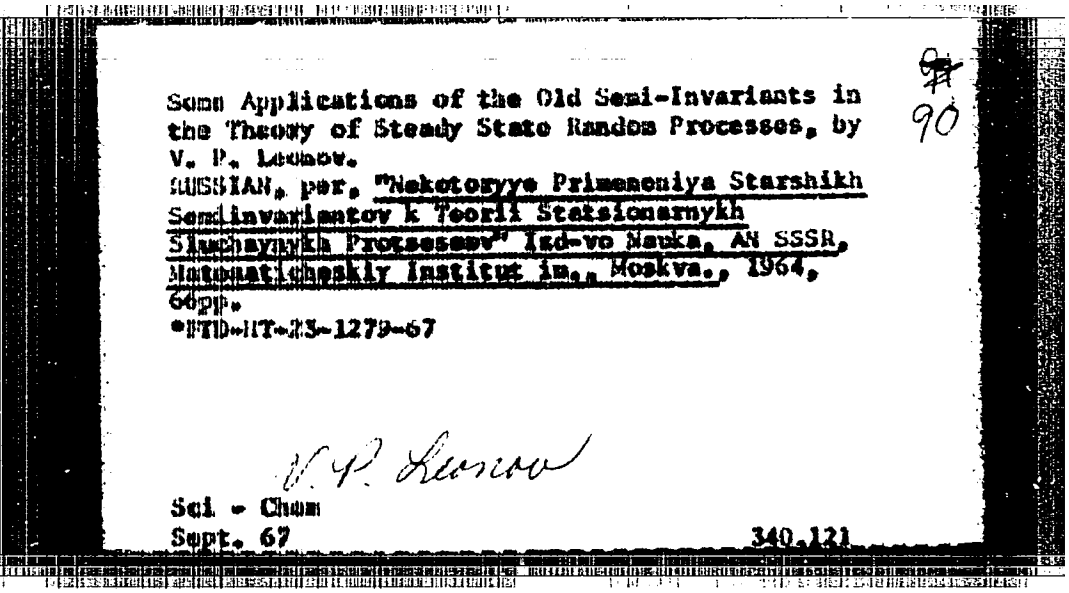

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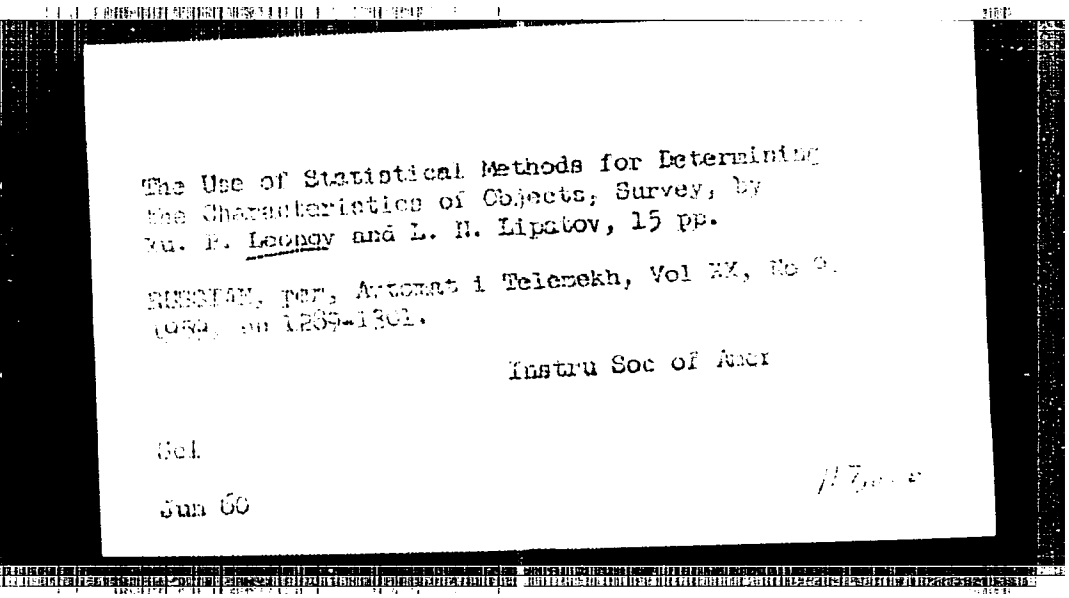

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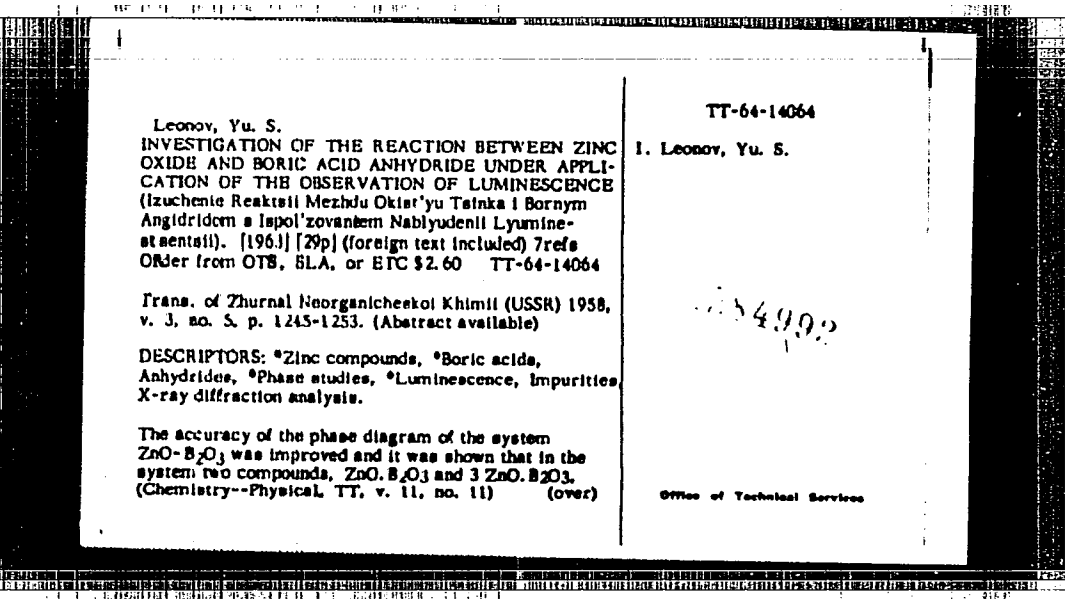

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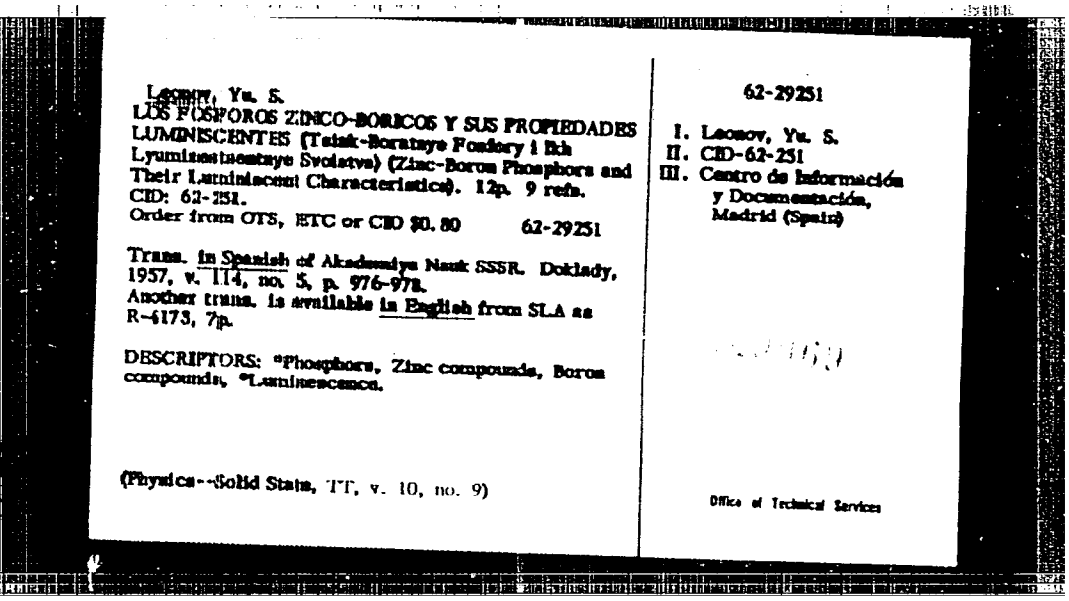

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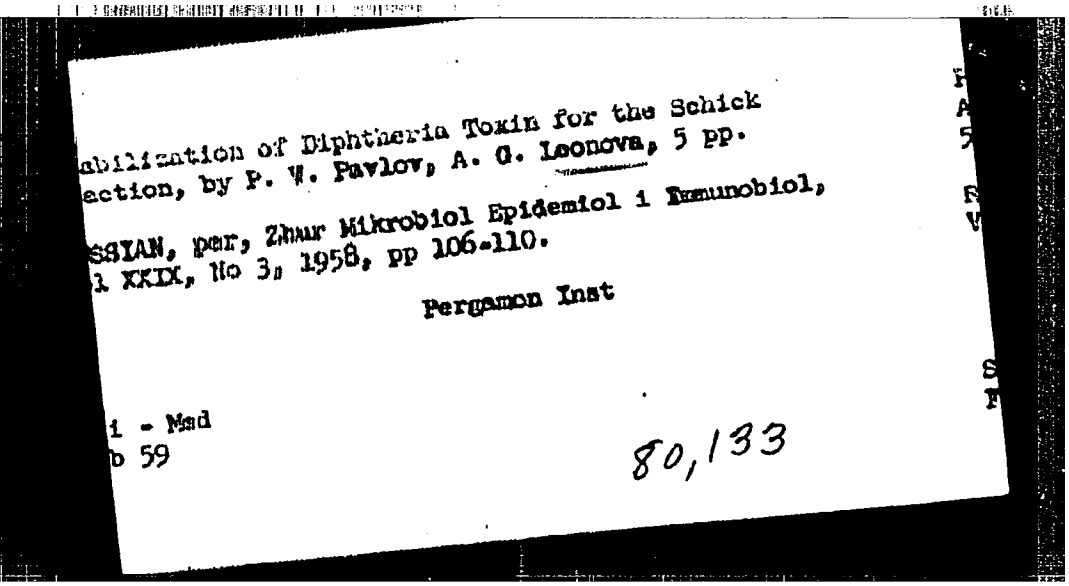

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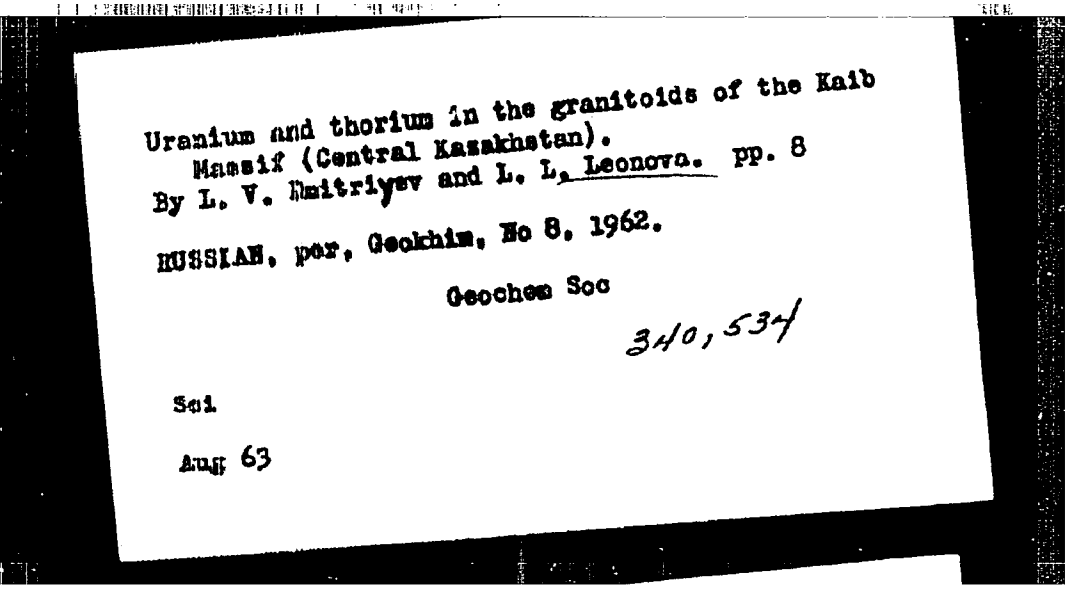

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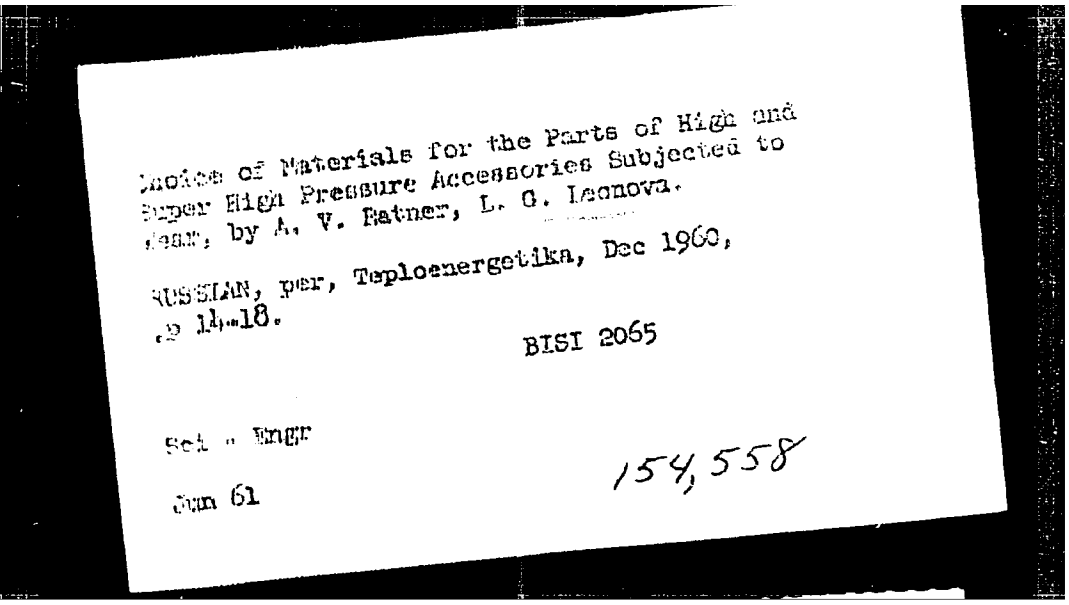

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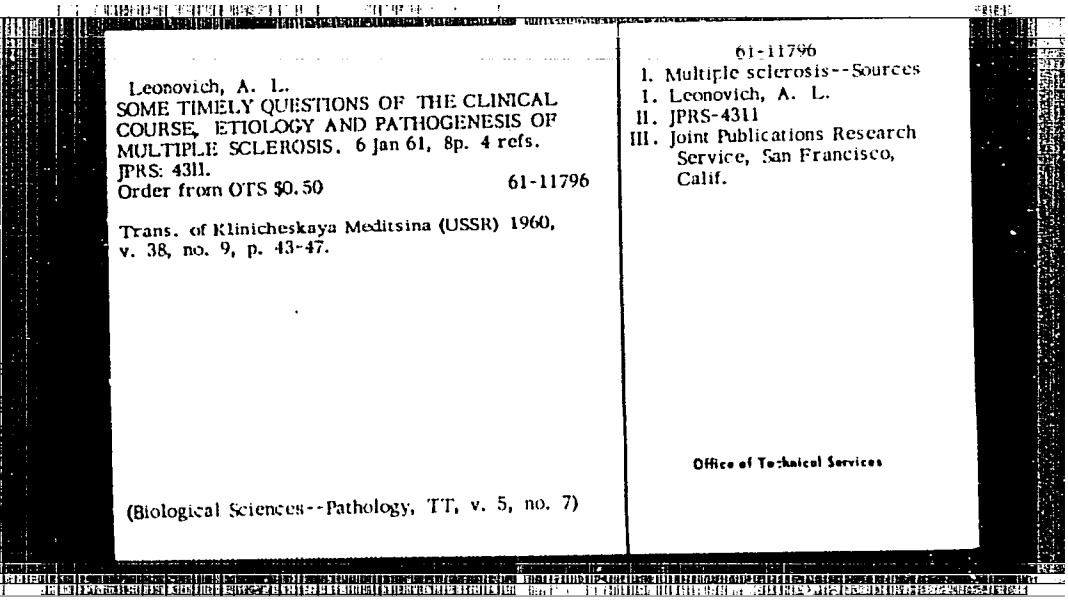

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